

Product datasheet for **MR227089**

Agmo (NM_178767) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agmo (NM_178767) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agmo
Synonyms:	A530016O06Rik; AI790538; Tmem195
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR227089 representing NM_178767
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAGCCAGGAGCCCAAGACAATGTTTCAGTTTCTCAGGGTATGCGAGCGATGTTTTACATGATGG
AGCCCAGTGAAACTGCCTTCCAACTGTTGAAGAGGTGCCTGATTACGTAAAAAAGGCGACTCCATTTTT
TATCTTCTTGATTCTGCTTGAAGTAGTCATCAGCTGGATTCTCAAAGGAAACCATCAGGTCGTTTGGAT
GATGCTCTCACATCTATATCAGCTGGTGTGTGTCTCGGCTTCCAAGTCTGTTCTCAGGAGCCTTGAAG
TGACCAGTTATATTTATATCTGGGAAACTACAGACTTTTGAATTGCCTGGGATTCTACCTGGACGTG
GTTTTCACTTTCTTAGGAGTTGACTTTGGCTACTACTGGTCCACCGCATGGCTCATGAGATTAATATT
TTCTGGGCAGCACACCAAGCACACCACAGTTCTGAAGACTATAACTTATCCACAGCACTGAGACAGTCTG
TCTTGACAGTATAGTTCCTGGGTTTTCTACTGTCCACTGGCCCTTTTCATACCACCTCAGTGTTCG
TGTTTCATATCAATCAATCTCCTCTACCAATTTTGGATCCACACAGAGATCATCAGAACCCTTGGCCCT
TTGGAAGTGATCCTTAATACTCCTAGCCATCACAGAGTTCATCATGGTAGAAATCGTTACTGCATTGATA
AAAATATGCTGGCACTCTTATTATTTGGGATAGAATTTTGGGACATTTGAAGCAGAGAATGAGCAGGT
CATATATGGTCTAACCCATCCCATTGGTACATTTGAGCCATTCAACGTGCAGTTTACCATTACTTTAT
ATATGGACTACATTCTGGACCACACCTGGATTCTGCCATAAGTTTTCTGTCTATTTAAAGGACCAGGAT
GGGGTCCAGGTAACCAAGACTTGGCCTGAGTGAAGAAATCCAGAGGTTACAGGACAGGAAGTCCCCTT
CTCATCCTCAGCATCCCAGCTTTAAAGATCTACACTGTCCCTCCAGTTTGAGTAATGCTGGCATTAT
GAAGAGACCTTTGCAAACACAGCGGTACTGTCCAGGTCACCTTCTTCTGAGAATCTTCTCTTTATCC
TGACCTTGACGTCCATTGGTTTTCTTCTGGACCAAGATCCAAGGCAGCTACTATGAAAACCTTCCGGTG
CCTGTTGTTCTTAACCCTGCACAGATTTGGTCACTTAAAGCCTTATTCCATCTTTATCTTTTGCATTT
GAGATTTTCTTTTCGTTTGCAATTGCTTTCTGGGGCGTAAGAAGCATAACACAACCTCACCTCGGCTCT
GGAAAAAGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227089 representing NM_178767
Red=Cloning site Green=Tags(s)

MRSPGAQDNVSVSQGMRAMFYMMPESETAFQTVVEVPDYVKKATPFFIFLILLELVISWILKKGKPSGRLD
DALTSISAGVVSRLPSLFFRSLEVTSYIYIWENYRLELPWDSTWTWYFFLGVDFGYWYFHRMAHEINI
FWAAHQAHSSSEDYNLSTALRQSVLQQYSSWVFCPLALFIPPSVFAVHIQFNLLYQFWIHTEIIRTLGP
LEVILNTPSHHRVHHGRNRYCIDKNYAGTLIIWDRIFGTFEAENEQVIYGLTHPIGTFFEPFNVQFHLLY
IWTTFWTPGFCHKFSVLFKGPWGPGKPRLLGLSEEIPEVTGQEVFSSASQLLKIYTVLQFVMLAFY
EETFANTAVLSQVTLRLRIFFFILTLTISIGFLLDQRSKAATMETFRCLLFLTLHRFGHLKPLIPSLSFAP
EIFFSVCIAFWGVRISITQLTSGSWKPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9085_f08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_178767

ORF Size: 1341 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_178767.5](#), [NP_848882.2](#)
RefSeq Size: 2155 bp

RefSeq ORF: 1344 bp

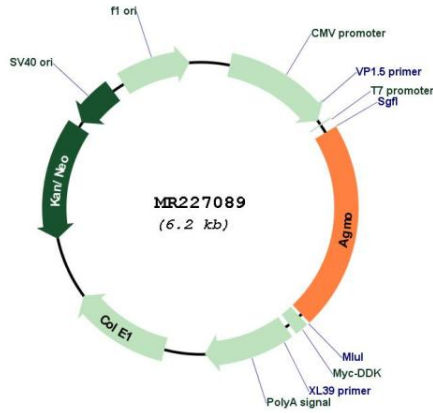
Locus ID: 319660

UniProt ID: [Q8BS35](#)
Cytogenetics: 12 A3

MW: 51.8 kDa

Gene Summary: Glycerol-ether monoxygenase that cleaves the O-alkyl bond of ether lipids. Ether lipids are essential components of brain membranes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227089